CONSTRUCTION EQUIPMENT 11810 VOLVOL120H 633530 - DIESEL ENGINE



 Sample No:
 VCP439486

 Oil Type:
 MOBIL 15W40

 Job No:
 11810

VOLVO

## SAMPLE INFORMATION

	NFURMATION			
Sample Number		VCP439486	VCP433780	 
Sample Date		31 Jan 2024	07 Dec 2023	 
Machine Hours		505	270	 
Oil Hours		0	270	 
Oil Changed		N/A	Changed	 
Sample Status		NORMAL	ABNORMAL	 
OIL CONDI	TION			
Visc @ 100°C	cSt	12.8	<b>1</b> 2.1	 
Base Number (BN)	mg KOH/g	7.6	10.4	 
Oxidation (PA)	%	41	70	 
CONTAMI	NATION			_
Water	%	NEG	NEG	 
Soot %	%	<b>0.1</b>	0.1	 
Nitration (PA)	%	50	48	 
Sulfation (PA)	%	45	58	 
Glycol	%	NEG	NEG	 
Fuel	%	<1.0	0.3	 
Silicon	ppm	5	<b>1</b> 3	 
Sodium	ppm	0	3	 
Potassium	ppm	2	3	 
WEAR ME	TALS			
Iron	ppm	8	15	 
Copper	ppm	5	11	 
Lead	ppm	2	2	 



**GOURMETS DELIGHT** 

PO BOX 160 AVONDALE, PA US 19311 Contact: GABE VALENTINO gabe.valentino@gourmetsfinest.com T: (610)268-3578 F: (610)268-2298

## Diagnosis

Resample at the next service interval to monitor.Metal levels are typical for a new component breaking in. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

WEAR N	IETALS			
Iron	ppm	8	15	 
Copper	ppm	5	11	 
Lead	ppm	2	2	 
Tin	ppm	2	2	 
Aluminum	ppm	6	<b>4</b> 7	 
Chromium	ppm	<b>1</b>	3	 
Molybdenum	ppm	13	35	 
Nickel	ppm	<b>1</b>	0	 
Titanium	ppm	1	<1	 
Silver	ppm		□ <1	 
Manganese	ppm	2	2	 
Vanadium	ppm	<1	0	 

ADDITIVES						
Calcium	ppm	2053	1389			
Magnesium	ppm	<b>168</b>	576			
Zinc	ppm	<b>1100</b>	1068			
Phosphorus	ppm	906	856			
Barium	ppm	3	27			
Boron	ppm	<b>1</b> 9	61			

 Depot:
 GOUAVO

 Unique No:
 10869634

 Signed:
 Wes Davis

 Report Date:
 07 Feb 2024

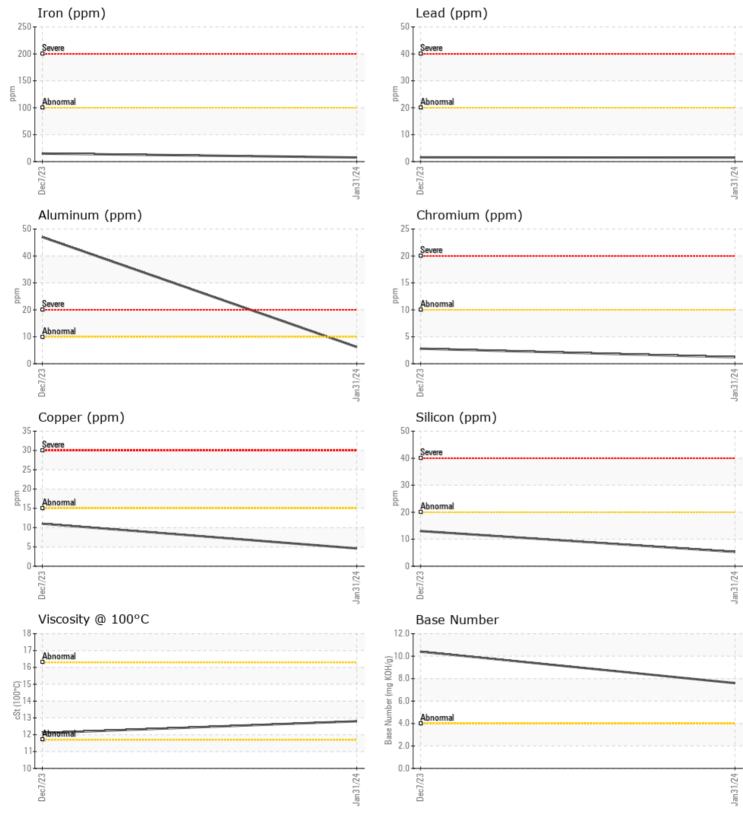
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## **CONSTRUCTION EQUIPMENT**



GRAPHS

VOLVO



Report Id: GOUAVO [WUSCAR] 06082189 (Generated: 02/07/2024 15:36:23) Rev: 1

Contact/Location: GABE VALENTINO - GOUAVO